

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claim 2 and AMEND claims 3-10, 12 and 14 in accordance with the following:

1. (CANCELLED)

2. (CANCELLED)

3. (CURRENTLY AMENDED) A resource adjustment apparatus for adjusting an amount of computer resources used in a system having a plurality of modules each comprising at least one application program, comprising:

a storage device storing data representing a transition of a past transaction occurrence amount for each of the plurality of modules, wherein the transaction occurrence amount indicates an offered load and the transition of the past transaction occurrence amount represents a variation of measurement values of the past transaction occurrence amount over a period of time;

a generation device obtaining data representing the transition of the past transaction occurrence amount of a target module of the modules from the storage device, generating respective transitions of the past transaction occurrence amount in a plurality of types of cycles using the data representing the transition of the past transaction occurrence amount of the target module, displaying the generated transitions in the plurality of types of cycles on a screen, generating a transition of a predicted transaction occurrence amount of the target module in specific cycle units by ~~combining~~ superposing the transitions of the past transaction occurrence amount in ~~two or more~~ first and second types of cycles selected by an operator from among the plurality of types of cycles, generating a function that expresses a correlation between measurement values of a past transaction processing amount and measurement values of a corresponding past use resource amount of the target module, wherein the obtained data representing the transition of the past transaction occurrence amount is used as values of the

past transaction processing amount in the function, and generating a transition of the past use resource amount by applying the function to the transition of the predicted transaction occurrence amount of the target module, the transition of the past use resource amount indicating a variation of the past use resource amount over a period of time; and

an allocation device using the generated transition of the past use resource amount as a transition of a predicted use resource amount and automatically fluctuating an allocation resource amount of the target module in accordance with the transition of the predicted use resource amount, and

wherein the generation device generates transitions of a mean value and a maximum value of transaction occurrence amounts regarding at least two modules in each of the plurality of types of cycles in the system, displays the generated transitions on the screen, superposes the transitions of transaction occurrence amounts in the first and second types of cycles using the mean value or the maximum value selected by the operator, and generates the transition of the predicted transaction occurrence amount.

4. (CURRENTLY AMENDED) [[The]] A computer-readable storage medium-according to claim 2 storing a program for a computer adjusting an amount of computer resources used in a system having a plurality of modules each consisting of at least one application program, wherein the program causes the computer to perform:

obtaining data representing a transition of a past transaction occurrence amount of a target module of the plurality of modules from a storage device storing data representing the transition of the past transaction occurrence amount for each of the modules, wherein the transaction occurrence amount indicates an offered load and the transition of the past transaction occurrence amount represents a variation of measurement values of the past transaction occurrence amount over a period of time;

generating respective transitions of the past transaction occurrence amount in a plurality of types of cycles using the data representing the transition of the past transaction occurrence amount of the target module;

displaying the generated transitions in the plurality of types of cycles on a screen;

generating a transition of a predicted transaction occurrence amount of the target module in specific cycle units by superposing the transitions of the past transaction occurrence amount in first and second types of cycles selected by an operator from among the plurality of types of cycles;

generating a function that expresses a correlation between measurement values of a past transaction processing amount and measurement values of a past use resource amount of the target module and using the obtained data representing the transition of the past transaction occurrence amount as values of the past transaction processing amount in the function;

generating a transition of a past use resource amount by applying the function to the transition of the predicted transaction occurrence amount of the target module, the transition of the past use resource amount indicating a variation of the past use resource amount over a period of time; and

using the generated transition of the past use resource amount as a transition of a predicted use resource amount and automatically fluctuating an allocation resource amount of the target module in accordance with the transition of the predicted use resource amount, wherein

the generating the transition of the predicted transaction occurrence amount generates transitions of a mean value and a maximum value of transaction occurrence amounts regarding at least two modules in each of the plurality of types of cycles in the system; displays displaying the generated transitions on the screen; combining, superposes the transitions of transaction occurrence amounts in the ~~two or more~~ first and second types of cycles using [[a]]the mean value or the maximum value selected by the operator~~[[;]], and generating~~ generates the transition of the predicted transaction occurrence amount.

5. (CURRENTLY AMENDED) The storage medium according to claim ~~[[2]]~~4, wherein the program causes the computer to perform:

displaying the generated transition of the past use resource amount on a screen; and
when the operator changes the displayed transition of the past use resource amount, using the changed transition of the past use resource amount as the transition of the predicted use resource amount.

6. (CURRENTLY AMENDED) The storage medium according to claim ~~[[2]]~~4, wherein the program causes the computer to perform:

obtaining data that represents a transition of a most-recent transaction occurrence amount of the target module from the storage device;
using a transition of a use resource amount generated by the transition of the most-recent transaction occurrence amount as a transition of a immediately-after predicted use

resource amount; and

fluctuating an immediately-after allocation resource amount of the target module.

7. (CURRENTLY AMENDED) The storage medium according to claim [[2]]4, wherein the program causes the computer to perform:

preferentially allocating resources to the target module during a period since a use resource amount of the target module reaches a predetermined bottleneck detection threshold until a use resource amount of the target module reaches a bottleneck elimination threshold.

8. (CURRENTLY AMENDED) The storage medium according to claim [[2]]4 wherein the program causes the computer to perform:

preferentially allocating resources to the target module during a period since a transaction occurrence amount of the target module reaches a predetermined bottleneck detection threshold until a transaction occurrence amount of the target module reaches a bottleneck elimination threshold.

9. (CURRENTLY AMENDED) The storage medium according to claim [[2]]4, wherein the program causes the computer to perform:

instructing the target module to generate a child processing when a predicted use resource amount of the target module reaches a predetermined amount.

10. (CURRENTLY AMENDED) The storage medium according to claim [[2]]4, wherein the program causes the computer to perform:

displaying a screen for capacity planning support including a transition of a use resource amount that is predicted for a long time.

11. (CANCELLED)

12. (CURRENTLY AMENDED) A resource adjusting method adjusting an amount of computer resources used in a system having a plurality of modules each comprising at least one application program, comprising:

obtaining data representing a transition of a past transaction occurrence amount of a target module of the plurality of modules from a storage device storing data representing the

transition of the past transaction occurrence amount for each of the modules, wherein the transaction occurrence amount indicates an offered load and the transition of the past transaction occurrence amount represents a variation of measurement values of the past transaction occurrence amount over a period of time;

generating respective transitions of the past transaction occurrence amount in a plurality of types of cycles using the data representing the transition of the past transaction occurrence amount of the target module;

displaying the generated transitions in the plurality of types of cycles on a screen;

generating a transition of a predicted transaction occurrence amount of the target module in specific cycle units by ~~combining~~ superposing the transitions of the past transaction occurrence amount in ~~two or more~~ first and second types of cycles selected by an operator from among the plurality of types of cycles;

generating a function that expresses a correlation between measurement values of a past transaction processing amount and measurement values of a past use resource amount of the target module and using the obtained data representing the transition of the past transaction occurrence amount as values of the past transaction processing amount in the function;

generating a transition of a past use resource amount by applying the function to the transition of the predicted transaction occurrence amount of the target module, the transition of the past use resource amount indicating a variation of the past use resource amount over a period of time; and

using the generated transition of the past use resource amount as a transition of a predicted use resource and automatically fluctuating an allocation resource amount of the target module in accordance with the transition of the predicted use resource amount, wherein

the generating the transition of the predicted transaction occurrence amount generates transitions of a mean value and a maximum value of transaction occurrence amounts regarding at least two modules in each of the plurality of types of cycles in the system, displays the generated transitions on the screen, superposes the transitions of transaction occurrence amounts in the first and second types of cycles using the mean value or the maximum value selected by the operator, and generates the transition of the predicted transaction occurrence amount.

13. (CANCELLED)

14. (CURRENTLY AMENDED) A resource adjustment apparatus for adjusting an amount of computer resources used in a system having a plurality of modules each comprising at least one application program, comprising:

a storage means for storing data representing a transition of a past transaction occurrence amount for each of the plurality of modules, wherein the transaction occurrence amount indicates an offered load and the transition of the past transaction occurrence amount represents a variation of measurement values of the past transaction occurrence amount over a period of time;

a generation means for obtaining data representing the transition of the past transaction occurrence amount of a target module from the storage means, generating respective transitions of the past transaction occurrence amount in a plurality of types of cycles using the data representing the transition of the past transaction occurrence amount of the target module, displaying the generated transitions in the plurality of types of cycles on a screen, generating a transition of a predicted transaction occurrence amount of the target module in specific cycle units by ~~combining~~ superposing the transitions of the past transaction occurrence amount in ~~two or more~~ first and second types of cycles selected by an operator from among the plurality of types of cycles, generating a function that expresses a correlation between measurement values of a past transaction processing amount and measurement values of a corresponding past use resource amount of the target module, wherein the obtained data representing the transition of the past transaction occurrence amount is used as values of the past transaction processing amount in the function, and generating a transition of the past use resource amount by applying the function to the transition of the predicted transaction occurrence amount of the target module, the transition of the past use resource amount indicating a variation of the past use resource amount over a period of time; and

an allocation means for using the generated transition of the past use resource amount as a transition of a predicted use resource amount and automatically fluctuating an allocation resource amount of the target module in accordance with the transition of the predicted use resource amount, wherein

the generation means generates transitions of a mean value and a maximum value of transaction occurrence amounts regarding at least two modules in each of the plurality of types of cycles in the system, displays the generated transitions on the screen, superposes the transitions of transaction occurrence amounts in the first and second types of cycles using the mean value or the maximum value selected by the operator, and generates the transition of the

predicted transaction occurrence amount.